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## INDEX TO AMERICAN BOTANICAL LITERATURE

(1912)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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**Abbott, C. C.** Ten years' diggings in Lenâpè Land. pp. 1-191. 1912.

Contains notes on plants used for making paints, etc.

**Ames, O.** Notes on Philippine orchids with descriptions of new species, IV. Philip. Jour. Sci. 7: (Bot.) 1-27. Ap 1912.

Includes 27 new species in *Habenaria* (4), *Tropidia* (1), *Oberonia* (4), *Phaius* (1), *Calanthe* (2), *Eulophia* (1), *Dendrobium* (5), *Phreatia* (4), *Eria* (1), *Bulbophyllum* (2), and *Dendrochilum* (2).

**Berger, A.** Ein kleiner Beitrag zur Nomenklatur einiger Opuntien. Monats. Kakteenk. 22: 89-91. 15 Je 1912.

**Berry, E. W.** Correlation of the Virginia coastal plain formations. Virginia Geol. Surv. Bull. 4: 191-199. 1912.

**Berry, E. W.** Notes on the genus *Widdringtonites*. Bull. Torrey Club 39: 341-348. pl. 24, 25 + f. 1. 23 Jl 1912.

**Bitter, G.** *Solana* nova vel minus cognita. I. Repert. Sp. Nov. 10: 529-565. 10 Je 1912; II. Repert. Sp. Nov. 11: 1-17. 1 Jl 1912. Include many new species and varieties from Mexico and South America.

**Blewitt, A. E.** Introduced plants new to Connecticut. Rhodora 14: 163, 164. 20 Jl 1912.

**Bovie, W. T.** A precision auxanometer. Bot. Gaz. 53: 504-509. f. 1, 2. 17 Je 1912.

**Brandeggee, T. S.** Plantae Mexicanae Purpusianae, IV. Univ. Calif. Pub. Bot. 4: 269-281. 26 Je 1912. Includes descriptions of 30 new species.

- Britton, E. G.** Thoughtless destruction of Jack in the pulpit. Jour. N. Y. Bot. Gard. **13**: 68, 69. *pl.* 94. Je 1912.
- Britton, E. G.** Wild plants needing protection. I. "Jack in the pulpit" [*Arisaema triphyllum* (L.) Torr.]. Jour. N. Y. Bot. Gard. **13**: 67, 68. *pl.* 93. Je 1912.
- Britton, N. L.** Further botanical exploration in Cuba. Jour. N. Y. Bot. Gard. **13**: 69-76. Je 1912.
- Britton, N. L.** The preservation of our native plants. Craftsman **22**: 377-386. Jl 1912. [Illust.]  
Digest of a lecture given at the New York Botanical Garden.
- Broadhurst, J.** A biometrical study of milk streptococci. Jour. Infect. Dis. **10**: 272-284. My 1912.
- Broadhurst, J.** The genus *Struthiopteris* and its representatives in North America—I. Bull. Torrey Club **39**: 257-278. *pl.* 21, 22. 10 Jl 1912.  
Includes *Struthiopteris jamaicensis* and *S. Maxoni* spp. nov.
- Brown, W. H.** The mechanism of curvature in the pulvini of *Mimosa pudica*. Philip. Jour. Sci. **7**: (Bot.) 37-40. Ap 1912.
- Brush, W. D.** The formation of mechanical tissue in the tendrils of *Passiflora caerulea* as influenced by tension and contact. Bot. Gaz. **53**: 453-477. *f.* 1-3. 17 Je 1912.
- Burns, G. E.** Distribution of xerophytes. Bull. Vermont Bot. Club **7**: 21. My 1912.
- Cameron, F. K., and others.** A preliminary report on the fertilizer resources of the United States. 62d Congress, 2d Session, Sen. Doc. 190: 15-290. *pl.* 1-19 + *maps* 0-18. Washington. 1912.  
Contains considerable botanical information relating to the marine algae of North America.  
Also indexed in part under separate authors.
- Cannon, W. A.** Some features of the root-systems of the desert plants. Pop. Sci. Mo. **81**: 90-99. Jl 1912. [Illust.]
- Clark, W. B., & Miller, B. L.** The physiography and geology of the coastal plain province of Virginia. Virginia Geol. Surv. Bull. **4**: 13-274. *pl.* 1-19. 1912.  
Includes information relating to fossil plants of the region. Section on the Lower Cretaceous (pp. 191-199) contributed by E. W. Berry.
- Clements, F. E.** Some impressions and reflections. New Phytol. **11**: 177-179. 24 Je 1912.
- Coker, W. C.** The seedlings of the live oak and white oak. Jour. Elisha Mitchell Sci. Soc. **28**: 34-41. *pl.* 2, 3. My 1912.

- Copeland, E. B.** The genus *Thayeria*. Philip. Jour. Sci. **7**: (Bot.) 41-43. *pl.* 1. Ap 1912.
- Crandall, W. C.** The kelps of the southern Californian coast. 62d Congress, 2d Session, Sen. Doc. 190: 209-213. 1912.
- Darling, C. A.** Key to the wild and cultivated trees in autumn. Torreyia **12**: 155-164. 11 Jl 1912.
- Darling, N.** Additions to Hartland flora in 1911. Bull. Vermont Bot. Club **7**: 13, 14. My 1912.
- Darling, N.** Two distinct forms of *Erythronium americanum*. Bull. Vermont Bot. Club **7**: 22. 1912.
- Davis, B. M.** Genetical studies on *Oenothera*. III. Further hybrids of *Oenothera biennis* and *O. grandiflora* that resemble *O. Lamarckiana*. Am. Nat. **46**: 377-427. *f.* 1-15. Jl 1912.
- Deutsch, H.** A study of *Targionia hypophylla*. Bot. Gaz. **53**: 492-503. *f.* 1-13. 17 Je 1912.
- Dodge, B. O.** Artificial cultures of *Ascobolus* and *Aleuria*. Mycologia **4**: 218-222. *pl.* 72, 73. Jl 1912.  
Notes on cultures of *Aleuria umbrina* Boud. and *Ascobolus magnificus* sp. nov.
- Dutton, D. L.** Lichen flora of Vermont. Bull. Vermont Bot. Club **7**: 23-25. My 1912.
- Dutton, D. L.** Rare plants from Brandon and vicinity. Bull. Vermont Bot. Club **7**: 15, 16. My 1912.
- Eggleston, W. W.** Plants to be looked for in Vermont. Bull. Vermont Bot. Club **7**: 17-20. My 1912.
- Eggleston, W. W.** Reminiscences of Cyrus G. Pringle. Bull. Vermont Bot. Club **7**: 8-11. My 1912.
- Elmer, A. D. E.** Two score of new plants. Leaflets Philip. Bot. **4**: 475-1520. 20 Ap 1912.
- Fairchild, D.** Plant introduction for the plant breeder. Yearbook U. S. Dept. Agr. **1911**: 411-422. *pl.* 43-48 + *f.* 13. [Jl] 1912.
- Fawcett, H. S.** The cause of stem-rot of citrus fruits (*Phomopsis Citri* n. sp.). Phytopathology **2**: 109-113. *pl.* 8, 9. Je 1912.
- Fraser, W. P.** Cultures of heteroecious rusts. Mycologia **4**: 175-193. Jl 1912.  
The following life histories are worked out for the first time: *Necium Farlowii* Arth., *Pucciniastrum minimum* (Schw.) Arth., *Melampsoropsis Pyrolae* (DC.) Arth., *Uromyces Spartinae* Farl., *Melampsora arctica* Rostr., and *M. (Medusae* Thüm.?).
- Flynn, N. F.** Additions to flora of Burlington and vicinity. Bull. Vermont Bot. Club **7**: 16, 17. My 1912.
- Flynn, N. F.** Intensive botanizing. (Abstract.) Bull. Vermont Bot. Club **7**: 21. My 1912.

- Fuller, G. D.** Soil moisture in the cottonwood dune association of Lake Michigan. *Bot. Gaz.* **53**: 512-514. *f. 1.* 17 Je 1912.
- G[ager], C. S.** Conference on outside cooperation with public schools. Brooklyn Bot. Gard. Record. **1**: 70-72. J1 1912.
- Gager, C. S.** Phipps Hall of Botany, Pittsburgh. Brooklyn Bot. Gard. Record **1**: 67-70. J1 1912.
- Giddings, N. J.** A practical and reliable apparatus for culture work at low temperatures. *Phytopathology* **2**: 106-108. *pl. 7.* Je 1912.
- Gleason, H. A., & Gates, F. C.** A comparison of the rates of evaporation in certain associations in central Illinois. *Bot. Gaz.* **53**: 478-491. *f. 1-6.* 17 Je 1912.
- Gloyer, W. O.** Apple blister canker and methods of treatment. Ohio Agr. Exp. Sta. Circ. **125**: 149-161. 20 My 1912.
- Graebener, L.** Die Frucht von *Cereus triangularis* Haw. Monats. Kakteenk. **22**: 95. 15 Je 1912.
- Graves, A. H.** The large leaf spot of chestnut and oak. *Mycologia* **4**: 170-174. *pl. 69 + f. 1.* J1 1912.  
The leaf spot is caused by *Monochaetia Desmazierii* Sacc.
- Greenman, J. M.** Some plants of western America. *Bot. Gaz.* **53**: 510-512. 17 Je 1912.  
Includes *Castilleja schizotricha* and *Senecio Websteri* spp. nov.
- Guernsey, J.** Notes on the marine algae of Laguna Beach. Ann. Rep. Laguna Marine Lab. **1**: 195-218. *f. 105-130.* My 1912.
- Hackel, E.** *Gramineae novae*, IX. Repert. Sp. Nov. **11**: 18-30. 1 J1 1912.  
Includes 12 new species from Bolivia.
- Hamet, R.** Beschreibung eines neuen Sedums aus Mexiko (*S. Adolphi*). Notizbl. Königl. Bot. Gart. Berlin **5**: 277, 278. 27 Je 1912.
- Harper, R. M.** The diverse habitats of the eastern red cedar and their interpretation. *Torreya* **12**: 145-154. 11 J1 1912.
- Harter, L. L., & Field, E. C.** *Diaporthe*, the ascogenous form of sweet potato dry rot. *Phytopathology* **2**: 121-124. *f. 1-4.* Je 1912.  
Includes *Diaporthe Batatatis* sp. nov.
- Heimerl, A.** Die Nyctaginaceen und Phytolaccaceen des Herbarium Hassler. Verh. Zool.-Bot. Ges. **62**: 1-17. *f. 1-3.* 10 Ap 1912.  
Includes *Pisonia paraguayensis*, *Seguiera securigera*, and *Achatocarpus Hassleri-anus* spp. nov. from South America.
- Hewitt, J. L.** Rice blight. Arkansas Agr. Exp. Sta. Bull. **110**: 447-459. 1912.
- Horne, W. T., Parker, W. B., & Daines, L. L.** The method of spreading of the olive knot disease. *Phytopathology* **2**: 101-105. *pl. 6.* Je 1912.

- Howard, B. J.** Decomposition and its microscopical detection in some food products. Yearbook U. S. Dept. Agr. **1911**: 297-308. *pl.* 15-19. 1912.  
Contains information relating to certain molds and bacteria.
- Humphreys, E. W.** Some very old figs. Guide to Nature **4**: 302. *f.* 1-4. Ja 1912.
- Hutchinson, J.** *Sapium cladogyne*, a new species from British Guiana. Kew Bull. Misc. Inf. **1912**: 223, 224. Je 1912.
- Johnston, E. C.** Brief notes on the kelps of Alaska. 62d Congress, 2d Session, Sen. Doc. 190: 214-216. 1912.
- Jostmann, A.** Die Rebutsche Sammlung. Monats. Kakteenk. **22**: 85, 86. 15 Je 1912.
- Kearney, T. H., & Shantz, H. L.** The water economy of dry-land crops. Yearbook U. S. Dept. Agr. **1911**: 351-362. 1912.
- Kent, E. C.** The measles fern. Bull. Vermont Bot. Club **7**: 20. My 1912.
- Kirk, G. L.** Rutland County flora. Bull. Vermont Bot. Club **7**: 14, 15. My 1912.
- Krause, K.** Zwei neue *Phoradendron* aus Costa Rica. Notizbl. Königl. Bot. Gart. Berlin **6**: 264, 265. 27 Je 1912.  
*Phoradendron quinquenervium*, and *P. Biolleyi* spp. nov.
- Lorenz, A.** Vegetative reproduction in the New England *Frullaniae*. Bull. Torrey Club **39**: 279-284. *f.* 1-3. 10 Jl 1912.
- McFarland, F. M.** The kelps of the central Californian coast. 62d Congress, 2d Session, Sen. Doc. 190: 194-208. 1912.
- Mackensen, B.** Three new species of *Opuntia*, with a discussion of the identity of *Opuntia Lindheimeri*. Bull. Torrey Club **39**: 289-292. 10 Jl 1912.  
Includes *Opuntia convexa*, *O. reflexa*, and *O. Griffithsiana* spp. nov.
- McMurrin, S. M.** A new internal *Sterigmatocystis* rot of pomegranates. Phytopathology **2**: 125, 126. Je 1912.
- Matthew, G. F.** Were there climatic zones in Devonian time? Trans. Roy. Soc. Canada III. **5**: 125-153. 1912.
- Meyer, R.** Kleine Mitteilungen und Fingerzeige. Monats. Kakteenk. **22**: 94. 15 Je 1912.  
Note on *Echinopsis Bridgesii* S.-D.
- Miller, G. S., & Standley, P. C.** The North American species of *Nymphaea*. Contr. U. S. Nat. Herb. **16**: 63-108. *pl.* 35-47 + *f.* 2-40. 6 Jl 1912.  
Includes 8 new species; and an introductory note by J. N. Rose.
- Montgomery, E. G.** Competition in cereals. Nebraska Agr. Exp. Sta. Bull. **127**: 3-22. *f.* 1-7. 8 My 1912.

- Montgomery, E. G.** Wheat breeding experiments. Nebraska Agr. Exp. Sta. Bull. 125: 5-16. *f.* 1-7. 15 Mr 1912.
- Montgomery, E. G., & Kiesselbach, T. A.** Studies in water requirements of corn. Nebraska Agr. Exp. Sta. Bull. 128: 3-15. *f.* 1-3. 8 My 1912.
- Murrill, W. A.** The *Agaricaceae* of the Pacific Coast—I. Mycologia 4: 205-217. Jl 1912.  
Includes 13 new species in *Hydrocybe* (3), *Hygrophorus* (3), *Armillaria* (1), *Limacella* (2), *Geopetalum* (3), and *Crepidopus* (1).
- Murrill, W. A.** Illustrations of fungi—XI. Mycologia 4: 163-169. *pl.* 68. Jl 1912.  
*Suillellus luridus* (Schaeff.) Murrill, *Collybidium dryophilum* (Bull.) Murrill, *Flammula carbonaria* (Fries) Quél., *Anthurus borealis* Burt., *Mycena vexans* (Peck) Sacc., *Omphalopsis Campanella* (Batsch) Earle, and *Naucoria subvelosa*, *Mycena praedecurrens*, *Russula stricta*, and *Marasmius magnisporus* spp. nov. are illustrated and described.
- Nash, G. V.** The banana house. Jour. N. Y. Bot. Gard. 13: 78-80. Je 1912.
- Orton, C. R.** Correlation between certain species of *Puccinia* and *Uromyces*. Mycologia 4: 194-204. *pl.* 70, 71. Jl 1912.  
Includes *Puccinia uniporula* sp. nov.
- Pember, F. T.** Rare plants near Vermont. Bull. Vermont Bot. Club 7: 22, 23. My 1912.
- Petersen, N. F.** Flora of Nebraska. 1-217. Lincoln. 1912.  
"A list of the conifers and flowering plants of the state with keys for their determination."
- Pilger, R.** Neue Arten von *Plantago*, Sektion *Cleiosantha* und *Novoribis* Decne. Notizbl. Königl. Bot. Gart. Berlin 5: 259-263. 27 Je 1912.  
Ten new species of *Plantago* from South American states.
- Quehl, L.** Die Blüte der *Pelecyphora pectinata* K. Sch. Monats. Kakteenk. 22: 86. 15 Je 1912.
- Quehl, [L.]** *Mam. recurvata* Engelm. Monats. Kakteenk. 22: 95. 15 Je 1912.
- Reed, A. L.** Plants found near Brattleboro. Bull. Vermont Bot. Club 7: 17. My 1912.
- Rigg, G. B.** Ecological and economic notes on Puget Sound kelps. 62d Congress, 2d Session, Sen. Doc. 190: 179-193. 1912.
- Rogers, M. E.** The everlastings of Hartland. (Abstract.) Bull. Vermont Bot. Club 7: 28. My 1912.
- Rooney, B. M.** Plants rare in St. Johnsbury. Bull. Vermont Bot. Club 7: 17. My 1912.
- Rugg, H. G.** Vermont, the fern lover's paradise. Am. Fern Jour.

- 2: 83-93. 3 Au 1912; (Abstract) Bull. Vermont Bot. Club 7: 11, 12. My 1912.
- Saccardo, P. A.** Notae mycologicae Series XIV. Ann. Myc. 10: 310-322. 10 Je 1912.  
"1. Fungi ex Gallia, Abyssinia, Japonia, Mexico, Canada, Amer. bor. et. centr."  
Includes 15 new species of fungi from America.
- Schulz, O. E.** Beitrage zur Kenntnis der Gattung *Clibadium*. Bot. Jahrb. 46: 613-628. 1912.  
Includes 3 new species from South America.
- Setchell, W. A.** The kelps of the United States and Alaska. 62d Congress, 2d Session, Sen. Doc. 190: 130-178. 1912.
- Sherff, E. E.** A new variety of *Rudbeckia subtomentosa*. Rhodora 14: 164. 20 Jl 1912.
- Shull, G. H.** Inheritance of the heptandra-form of *Digitalis purpurea* L. Zeits. Induk. Abstammungs- und Vererbungslehre 6: 257-267. pl. 15, 16. Je 1912.
- Slosson, M.** New ferns from tropical America. Bull. Torrey Club 39: 285-288. pl. 23. 10 Jl 1912.  
Includes *Loxsomopsis notabilis* and *Polypodium insidiosum* spp. nov.
- Smith, E. F., Brown, N. A., & McCulloch, L.** The structure and development of crown gall: a plant cancer. U. S. Dept. Agr. Plant Ind. Bull. 255: 11-60. pl. 1-109 + f. 1, 2. 29 Je 1912.
- Standley, P. C.** *Woottonella*, a new genus of *Carduaceae*. Proc. Biol. Soc. Washington 25: 119, 120. 29 Je 1912.
- Stevens, N. E.** Wood rots of the hardy catalpa. Phytopathology 2: 114-119. pl. 10. Je 1912.
- Straw, C. E.** New Stowe plants. Bull. Vermont Bot. Club 7: 14. My 1912.
- Stuchlik, J.** Zur Synonymik der Gattung *Gomphrena*. Repert. Sp. Nov. 11: 36-41. 1 Jl 1912.
- Taubenhaus, J. J.** Present knowledge of sweet pea diseases and their control. Florists' Exchange 34: 108-110. 20 Jl 1912. [Illust.]
- Taylor, N.** Effect of the past winter on shrubs and trees in the garden Brooklyn Bot. Gard. Record 3: 72-74. Jl 1912.
- Theissen, F.** Die Gattung *Clypeolella* v. Hohn. Centralb. Bakt. Zweite Abt. 34: 229-235. 22 Je 1912.  
Includes *Clypeolella Ricini* Rac., *C. Solani* Theiss., and *C. apus* Theiss. spp. nov.
- Vaupel, F.** *Cereus nudiflorus* Engelm. Monats. Kakteenk. 22: 94. 15 Je 1912.
- Vaupel, F.** *Cereus vagans* Kath. Brand. Monats. Kakteenk. 22: 93. 15 Je 1912.



- Vaupel, F.** *Echinocactus pilosus* Gal. Monats. Kakteenk. 22: 86. 15 Je 1912. [Illust.]
- Webber, H. J.** The production of new and improved varieties of timothy. Cornell Univ. Agr. Exp. Sta. Bull. 313: 339-381. *pl.* 1-10. Ap 1912.
- Weingart, W.** *Echinocereus Weinbergii* spec. nov. Monats. Kakteenk. 22: 83, 84. 15 Je 1912.
- Wheeler, L. A.** Rare plants of West River Valley. (Abstract.) Bull. Vermont Bot. Club 7: 13. My 1912.
- White, D.** Age of the Worcester phyllite. Jour. Washington Acad. Sci. 2: 114-118. 4 Mr 1912.  
Also contains notes on fossil plants.
- White, D.** The characters of the fossil plant *Gigantopteris* Schenk and its occurrence in North America. Proc. U. S. Nat. Mus. 41: 493-516. *pl.* 43-49. 8 F 1912.
- Wiegand, K. M.** The genus *Amelanchier* in eastern North America. Rhodora 14: 117-161. *pl.* 95, 96. 20 Jl 1912.  
Includes *Amelanchier humilis*, *A. stolonifera*, and *A. laevis*.
- Wilcox, E. M., & Link, G. K. K.** A new form of pure culture chamber. Phytopathology 2: 120. *f.* 1. Je 1912.
- Williston, R.** Discoid gemmae in *Radula*. Bull. Torrey Club 39: 329-339. *f.* 1-37. 10 Jl 1912.
- Winslow, E. J.** Opportunities in Essex County. Bull. Vermont Bot. Club 7: 14. My 1912.
- Woodward, R. W.** New Vermont plants. Bull. Vermont Bot. Club 7: 27. My 1912.
- Wooton, E. O., & Standley, P. C.** The grasses and grass-like plants of New Mexico. New Mexico Col. Agr. and M. A. Agr. Exp. Sta. Bull. 81: 3-176. 1912. [Illust.]
- Wright, C. H.** *Lycium pallidum*. Curt. Bot. Mag. IV. 8: *pl.* 8440. Je 1912.  
A plant from southern United States and northern Mexico.
- Young, W. Y.** Notes on the botany of medicinal plants. Am. Jour. Pharm. 84: 256-262. Je 1912.
- Zeh, W.** Neue Arten der Gattung *Liagora*. Notizbl. Königl. Bot. Gart. Berlin 5: 268-273. 27 Je 1912.  
Includes *Liagora californica*, *L. rosacea*, and *L. Pilgeriana*, from America.